CLAIMS

1. A cover film for organic electroluminescence devices which comprises polymers of decomposition products of a perfluoroolefin and has an average light transmittance of 70% or larger in a wavelength band of 400 to 800 nm.

2. A cover film for organic electroluminescence devices according to Claim 1, wherein the perfluoroolefin is a perfluorocycloolefin.

3. An organic electroluminescence device which comprises at least an electrode layer (an anode), a layer of a light emitting substance, a transparent electrode layer (a cathode) and a cover film for electroluminescence devices described in any one of Claims 1 and 2, said layers and said film being laminated successively on a substrate.

4. An organic electroluminescence device according to Claim 3, wherein light is emitted mainly at a side of the cathode (the transparent electrode layer).

5. A process for producing an organic electroluminescence device which comprises forming a cover film on a laminate by depositing polymers of decomposition products of a perfluoroolefin in accordance with a chemical vapor deposition (CVD) process using a material gas comprising a perfluoroolefin as a main component under a condition of an output of 10 to 300 W and a pressure of the gas of 30 Pa or smaller, said laminate

comprising at least an electrode layer, a layer of a light emitting substance and a transparent electrode layer, said layers being laminated successively on a substrate.

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